

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system for providing an Internet service in a non-IP based network, comprising:

a first server connected to a non-IP based network and having an application program as installed; and

a second server connected to the non-IP based network and an IP based network (the Internet), the second server receiving an Internet service request from the IP based network and selecting one of the first server and the second server to provide an Internet service based upon the Internet service request, the second server including:

a non-IP based data processing protocol layer connected to the non-IP based network,

an IP-to-non-IP interface connected to non-IP based data processing protocol layer and ~~an~~ the IP based network (the Internet), and

an application program as installed,

wherein the IP-to-non-IP interface ~~allowing~~ allows communication of data between the IP based network and the non-IP based data processing protocol layer, the non-IP based data processing protocol layer communicating with the first server via the non-IP based network, so that ~~a the Internet service from the first server corresponding to an Internet service request is~~ provided from the non-IP based network to the Internet via the second server when the Internet service request corresponds to the first server.

2. (Previously Presented) The system of claim 1, wherein the non-IP based network is a HAVi (Home Audio/Video interoperability).

3. (Original) The system of claim 1, wherein the Internet service is transmitted in a digital format or a Web document format.

4. (Original) The system of claim 1, wherein the Internet service is accessed from the Internet to the first and the second servers to control the first and the second servers.

5. (Currently Amended) The system of claim 1, wherein the first server comprises:
an application program layer for providing an Internet service.

6. (Original) The system of claim 5, wherein the data is a digital format or a message format.

7. (Original) The system of claim 5, wherein the application program layer processes a Web document.

8. (Currently Amended) The system of claim 1, wherein the second server comprises:

a TCP/IP protocol layer connected to the interface for receiving data from or transmitting data to the IP based network; and

an application program layer for connecting the first server which provides an Internet service and is connected to the non-IP based network, to the IP based network.

9. (Original) The system of claim 1, wherein the second server is connected to a plurality of first servers to serve as a proxy.

10. (Currently Amended) A method for providing an Internet service in a non-IP based network, comprising:

a step in which a second server, connected to a non-IP based network and an IP based network (the Internet), receives an Internet service request from an IP based network (the Internet) and selects one of a first server in the non-IP based network and the second server to provide an Internet service based upon the Internet service request;

when the Internet service request corresponds to the first server,

a step in which ~~a~~the first server in ~~a~~the non-IP based network receives ~~an~~the Internet service request from ~~an~~the IP based network (the Internet) via an interface of ~~a~~the second server and a non-IP based data processing protocol layer of the second server, the interface converting the Internet service request from the IP based network to the non-IP based data processing protocol layer, the non-IP based data processing protocol layer transmitting the converted Internet service request to the first server via the non-IP based network; and

a step in which the first server in the non-IP based network provides the Internet service ~~corresponding to the received Internet service request to the Internet~~ via the second server; and

when the Internet service request corresponds to the second server, a step in which the second server provides the Internet service to the Internet therefrom.

11. (Cancelled)

12. (Currently Amended) A system for providing an Internet service in a non-IP based network, comprising:

a first appliance for controlling communication of the non-IP based network with an IP based network (the Internet), the first appliance including an IP-to-non-IP interface and a non-IP based data processing protocol layer, the IP-to-non-IP interface being connected to the non-IP based data processing protocol layer and the IP based network, the non-IP based data processing protocol layer being connected to the non-IP based network, the IP-to-non-IP interface allowing communication of data between the IP based network and the non-IP based data processing protocol layer of the first appliance; and

a second appliance connected and communicating with the non-IP based data processing protocol layer of the first appliance via the non-IP based network, the first appliance receiving an Internet service request from the IP based network and selecting one of the first appliance and the second appliance to provide an Internet service based upon the Internet service request, when the Internet service request corresponds to the second appliance, the first appliance sending the Internet service request to the second appliance such that the second appliance for providing provides the Internet service to a third appliance connected with the Internet via the first

~~appliance when the Internet service is requested by the third appliance connected to the Internet via the first appliance.~~

13. (Previously Presented) The system according to claim 12, wherein the first appliance functions as a proxy server for controlling and communicating between the third appliance connected with the Internet and the second appliance.

14. (Previously Presented) The system according to claim 12, wherein the second appliance functions as a server for providing its own information.

15. (Original) The system according to claim 12, wherein the non-IP based network is capable of connecting a plurality of appliances functioned as the second appliance.

16. (Cancelled)

17. (Previously Presented) The system of claim 1, wherein the first server resides in a first appliance and the second server resides in a second appliance.

18. (Previously Presented) The system of claim 17, wherein the first appliance is either a digital television or a digital video cassette recorder, and the second appliance is a set-top box.

19-21. (Cancelled)